

# EAST Search History

- Ed.R. - 6/25/07

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	"20050280104"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/25 08:41
L2	1023	257/324.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/25 08:43
L3	1	257/324.ccls. and ono and (quantum near well)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/25 08:44
L4	205	257/324.ccls. and ono and (charge near (trap\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/25 08:57
L5	9226	("HfN" or "SiN" or "AlN or ZrN") same (silicon near nitride)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/25 08:59
L6	43	I2 and I5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/25 08:58
L7	137	("HfN" or "AlN or ZrN") same (silicon near nitride)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/25 09:07

## EAST Search History

L8	0	I2 and I7	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/25 08:59
L9	2	"20070001241"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/25 09:07
L10	46	(US-20040198069-\$ or US-20060246740-\$ or US-20060234433-\$ or US-20060208215-\$ or US-20060228894-\$ or US-20060197166-\$ or US-20060172474-\$ or US-20060131652-\$ or US-20060125026-\$ or US-20060118879-\$ or US-20060091490-\$ or US-20050064207-\$ or US-20050017305-\$ or US-20040155353-\$ or US-20040137672-\$ or US-20060003557-\$ or US-20060001162-\$ or US-20050282329-\$ or US-20060038236-\$ or US-20050280104-\$ or US-20040259303-\$ or US-20060084217-\$ or US-20070128786-\$ or US-20070001241-\$).did. or (US-6159855-\$ or US-6013553-\$ or US-7202186-\$ or US-7053455-\$ or US-6407435-\$ or US-6291867-\$ or US-7192824-\$ or US-7227224-\$ or US-7229893-\$ or US-7135372-\$ or US-7199023-\$ or US-7183596-\$ or US-7106088-\$ or US-6048795-\$ or US-7141466-\$ or US-7119023-\$ or US-7205218-\$ or US-6559014-\$ or US-7176522-\$ or US-7055263-\$ or US-6797645-\$ or US-7221018-\$). did.	US-PGPUB; USPAT	OR	OFF	2007/06/25 09:15
L11	29	I10 and (ald or (atomic near layer near deposition))	US-PGPUB; USPAT	OR	OFF	2007/06/25 09:30

## EAST Search History

L12	26	I10 and concentration	US-PGPUB; USPAT	OR	OFF	2007/06/25 09:31
S1	1512	(257/405,406,410,411,E29.132324, E29.309.ccls.) and ((nitrogen or N) with (("Al" or aluminum) or (la or lanthanum) or (Zr or zirconium) or (Hafnium or Hf) or (Si or silicon) or (Y or yttrium)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/15 13:44
S2	210375	gate near (electrode or contact)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/15 13:44
S3	128217	gate near (dielectric or oxide or insulat\$3) near (layer or film)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/25 08:19
S4	2422	(nitrogen-contain\$3 near2 metal) or (nitrogen near3 metal near oxide) or ((metal near oxide) near5 (nitrogen near atoms))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/15 13:46
S5	62	S3 same S4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/15 13:47
S7	437	S3 same (nitrogen near atoms)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/15 13:47
S8	16	S7 same (metal near oxide)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/15 13:48

## EAST Search History

S9	10432323	((hafnium or hf) or (zirconium or zr) or (lanthanum or la) or (aluminum or "Al") or (silicon or si) or (yttrium or y))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/21 13:50
S10	2105	oxy-nitride	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/21 13:51
S11	91981	gate near (dielectric or oxide or insula\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/21 13:52
S12	252	S11 same S10 same S9	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/21 15:01
S13	2426	(nitrogen-contain\$3 near2 metal) or (nitrogen near3 metal near oxide) or ((metal near oxide) near5 (nitrogen near atoms))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/21 13:53
S14	22	S11 same S13 same S9	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/21 15:15
S15	4	"6159855".pn. or "6013553".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/21 15:02

## EAST Search History

S16	169	("3895966"   "5098623"   "5173835"   "5187636"   "5504041"   "5528068"   "5621681"   "5773325"   "5834353"   "5851896"   "5874766"   "5876788"   "5880006"   "5880508"   "5923056").PN. OR ("6013553").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/21 15:03
S17	66	"HfAIN"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/21 15:16
S18	105	"HfsiN"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/21 15:16
S19	105	"HfSiN"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/21 15:16